

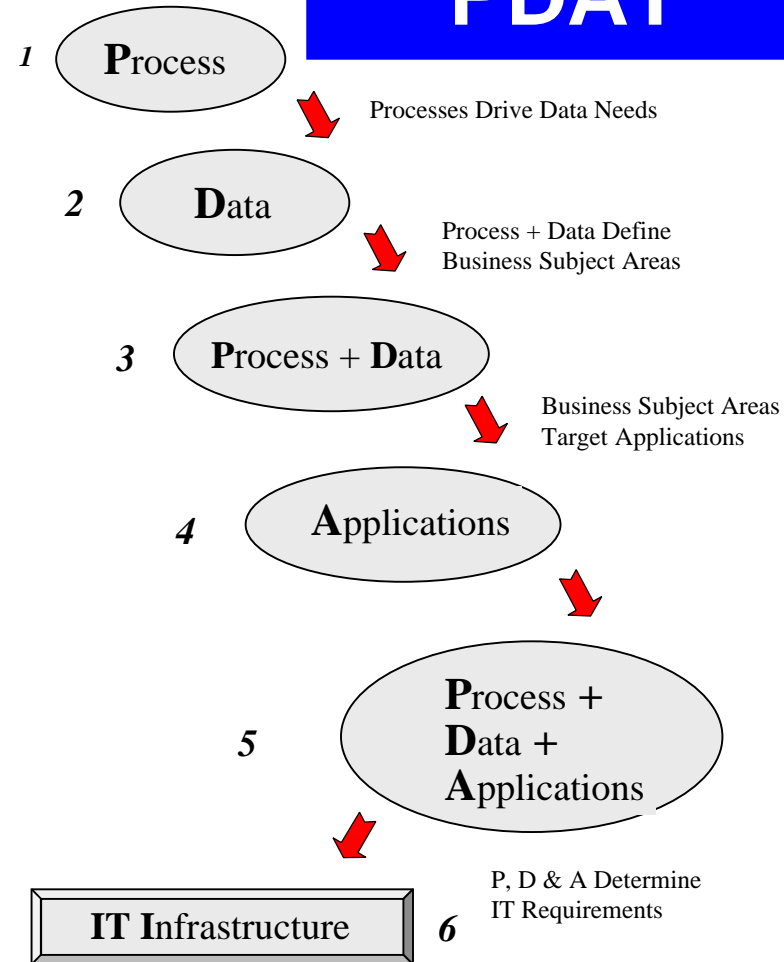
Bureau Architecture Core Team

- Roger Hildebeidel (WO-101), Architecture Project Director
- Joe Chesser (WO-500/PMCO), Denver Project Manager
- John Bebout (WO-300)
- John Broderick (WO-300)
- Clark Collins (WO-700)
- Duane Dippon (OSO-930)
- Renee Duval (WO-200)
- Peter Ertman (WO-800)
- Carolyn Ridge (WO-500)
- Wally Stiles (WYSO)
- SOZA Contractor Staff, Mike Kraft/Mort Glassberg Project Mgrs

What is an Architecture?

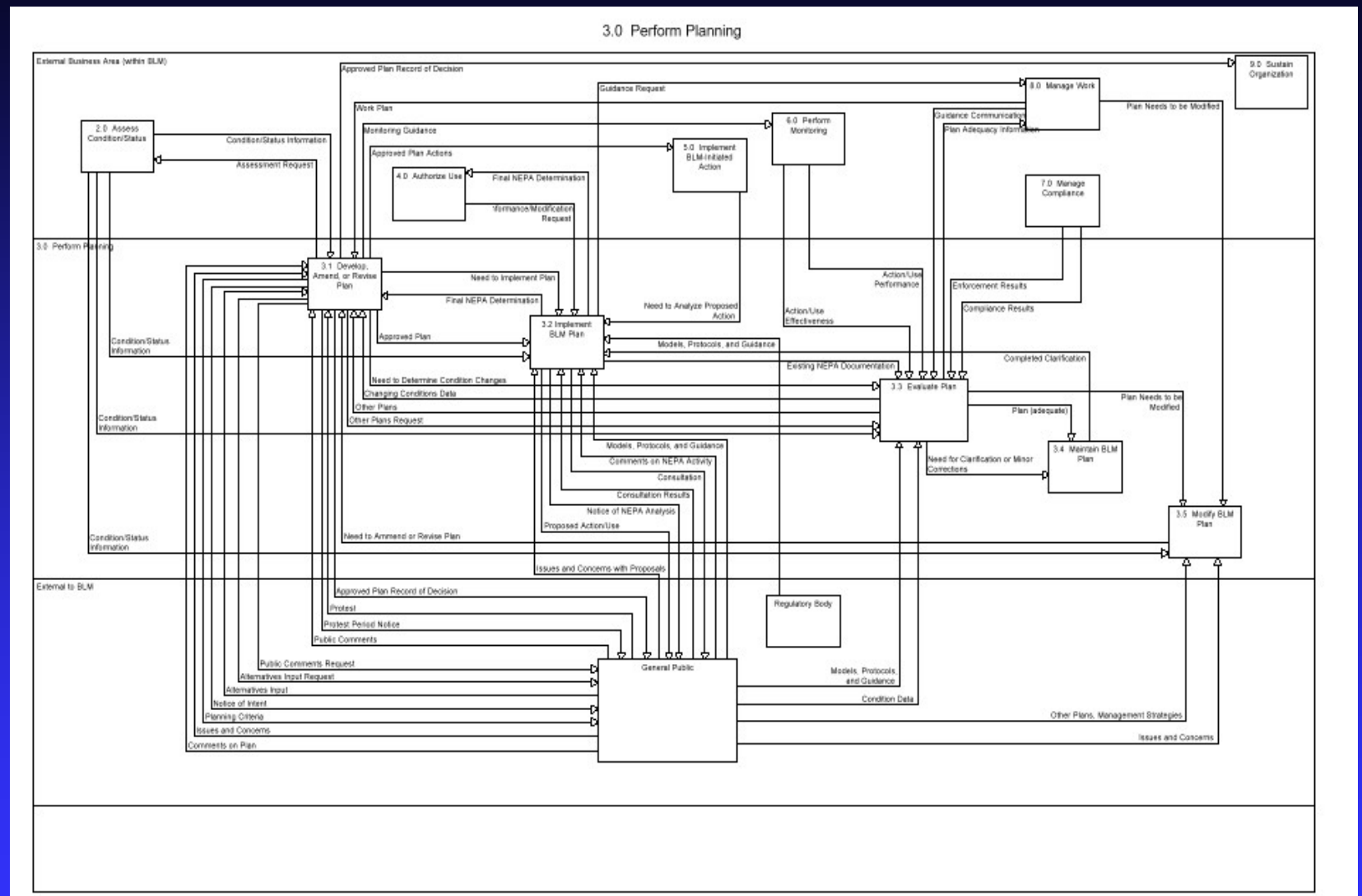
- At its core, the BA is about work that the BLM does and the information that we use to accomplish the work.
- Structurally, the BA is a management framework that describes:
 - ◆ Evolving and maintaining information technology,
 - ◆ Aligns the requirements for Bureau-wide sponsored information systems, supporting the mission and goals,
 - ◆ Focuses on work processes, information flows, and standards,
 - ◆ Enhances the capital planning process

PDAT



BA Report Addressed the following Business Process Categories

- Provide Customer Service
- Assess Condition/Status
- Perform Planning
- Authorize Use
- Implement BLM-initiated Actions
- Perform Monitoring
- Manage Compliance
- Manage Work
- Sustain Organization (partial)

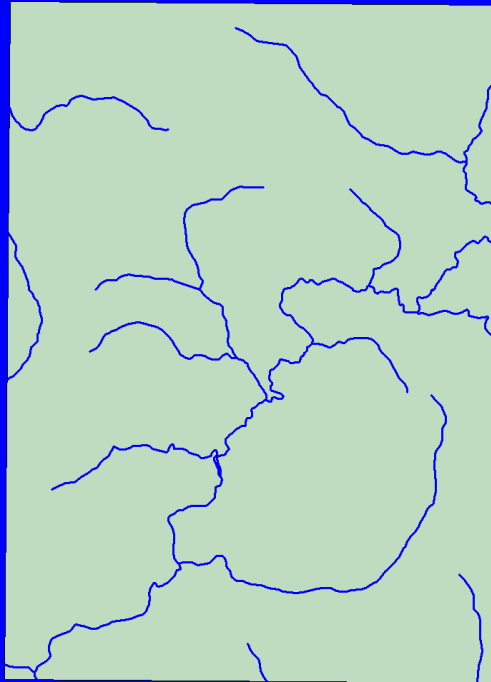


Current Scale of BA versus Future

Re-engineer components based on Business Priorities

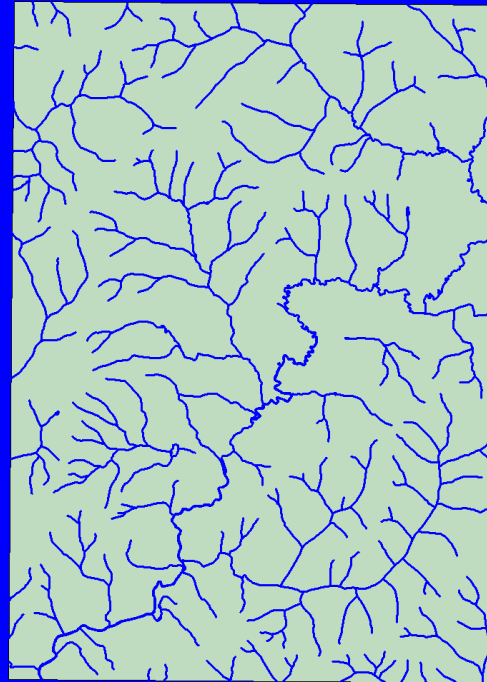
Current

1:100,000



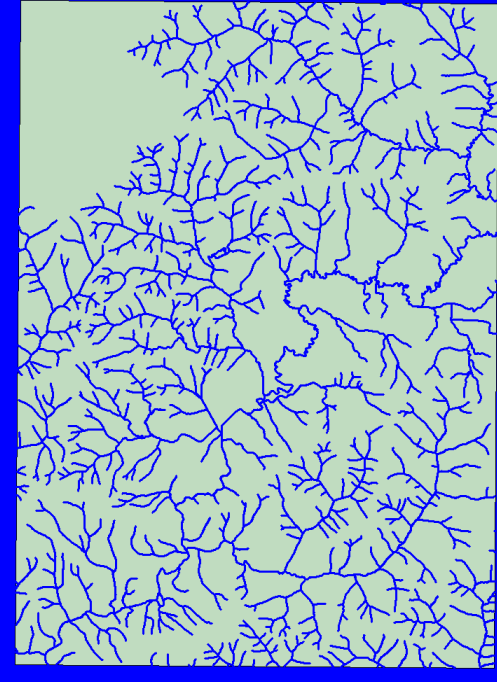
Interim

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Future III

1:4,800



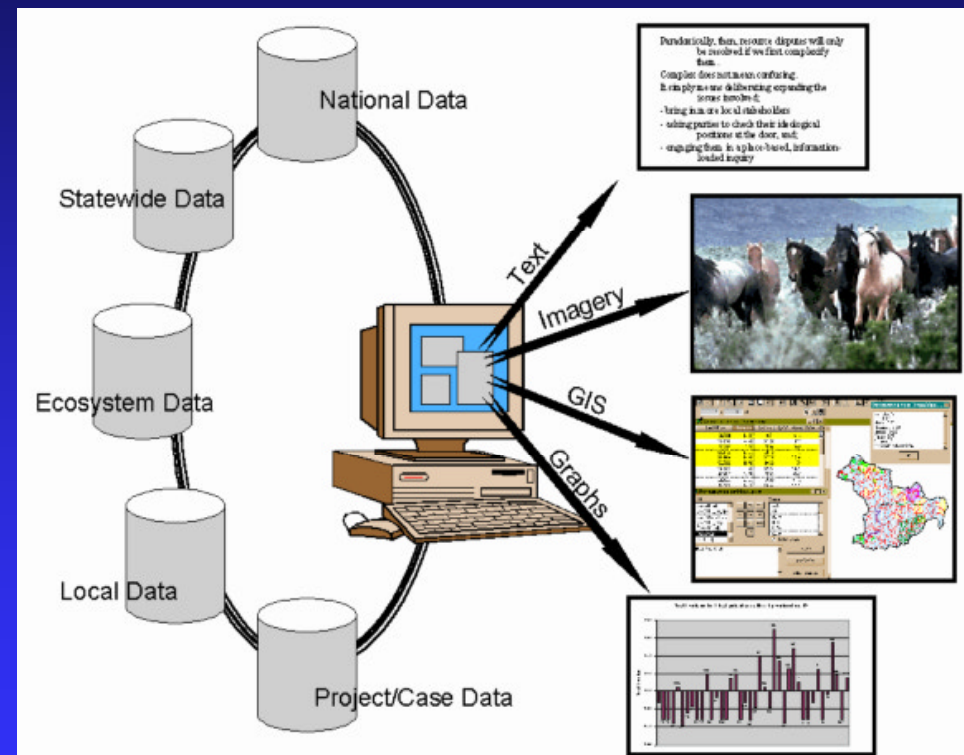
Implementation Strategies

- **Facilitating the Accomplishment of BLM Work in the Field**
 - ◆ Delivery of Information Directly to the Program Specialist/Decision-maker
- **Improving the Utility of BLM Business Processes and Information**
 - ◆ Making Sustainable Resource Decisions; Replacing Out-dated Land Use Plans
- **Mgmt of BLM 's Information Resource is Part of BLM's Real Work**
 - ◆ Establishing Accountability, Responsibility, and Authority
- **Assuring and Storing High-Quality Program Information**
 - ◆ Structured Data Administration and Management
- **Providing the Solid Foundation on Which All Technology Works**
 - ◆ Infrastructure, Network and Security
- **Getting the Return on Investment and Budget Dollars**
 - ◆ Management of Information Technology Investments

Facilitating the Accomplishment of BLM Work in the Field

--Delivery of Information Directly to the Program Specialist/Decision-maker

Objective: To re-focus the development, acquisition, and deployment of IT assets within the BLM to delivering the information and tools needed by each employee “on the firing line,” in the field or in the office to conduct the BLM’s work in the most efficient, effective and productive manner possible.



Facilitating the Accomplishment of BLM Work in the Field

--Delivery of Information Directly to the Program Specialist/Decision-maker

- Determine what is needed “on the screen”.
- Develop a base set of end-user requirements and additional interface capabilities.
- Determination and prioritize further business processes enhancements.



April 10, 2000

Bureau Architecture Core Team

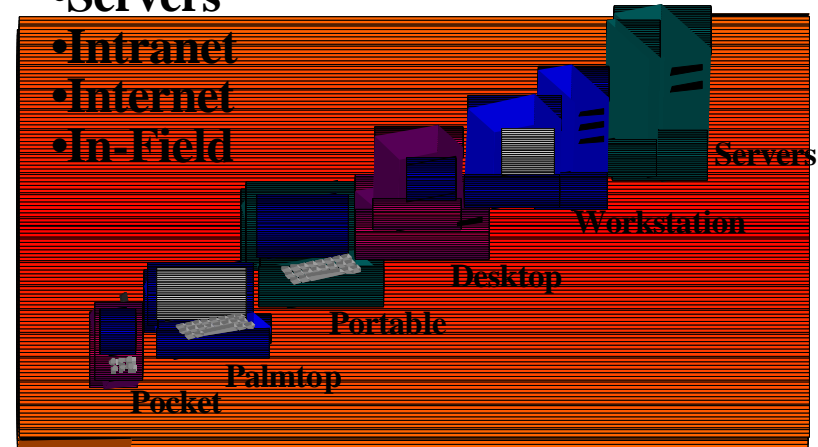
Facilitating the Accomplishment of BLM Work in the Field

--Delivery of Information Directly to the Program Specialist/Decision-maker

- Develop the hardware, software, training, and staffing necessary to support the objective of readily delivering data to the field to support BLM's businesses.
- Plan the staging of individual projects to advance the Bureau step-by-step toward this objective
- Obtain approval and active leadership from both the ADs and SDs via the IT Investment Board.

Technology Environment

- Desktop
- Servers
- Intranet
- Internet
- In-Field



Improving the Utility of BLM Business Processes and Information

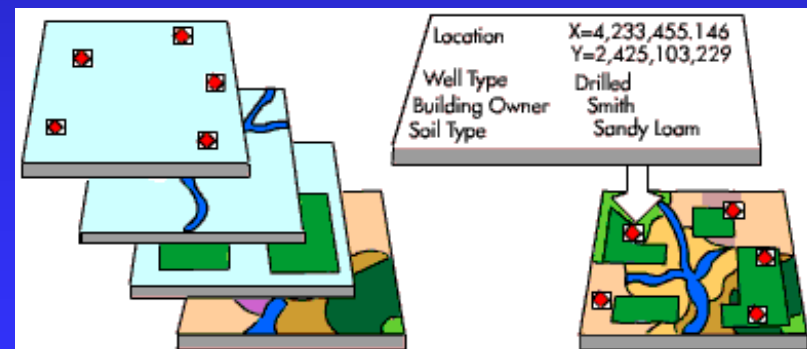
--Making Sustainable Resource Decisions; Replacing Out-dated Land Use Plans

Objectives:

To address a real-time, substantive issue that is facing BLM, namely updating the base of plans through an automated planning process



To deliver tangible, useful products to the BLM employees that they can use in doing their jobs better.

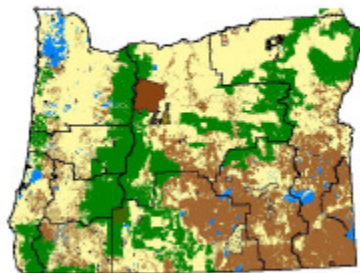


Improving the Utility of BLM Business Processes and Information

--Making Sustainable Resource Decisions; Replacing Out-dated Land Use Plans

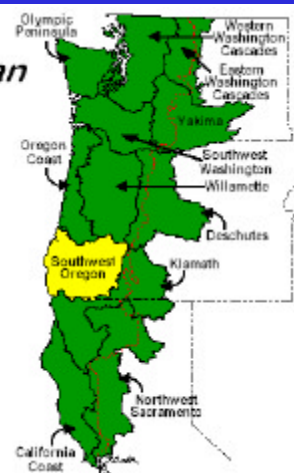
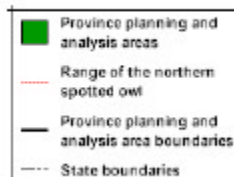
- Use successful large-scale plan automation efforts to produce guidance.
- The vision of accessible electronic plans is to occur in the ordinary course of the planning process.
- Define stages in plan automation. (Create reusable and accessible planning data, develop plans, move to the vision of automated planning processes).
- Provide automated data and technologies on the desktops of planners to support information sharing and plan maintenance. (Prioritize according to the priorities of the planners to meet their FY 2001 challenge.)

District RMPs

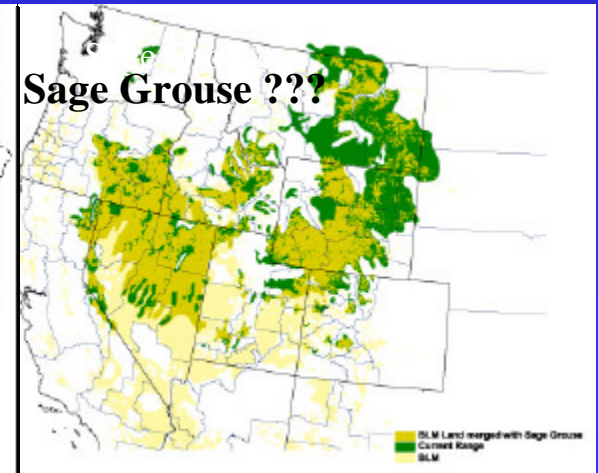


NW Forest Plan

*Southwest Oregon Province
Relative to Other
Province Planning
and Analysis Areas*



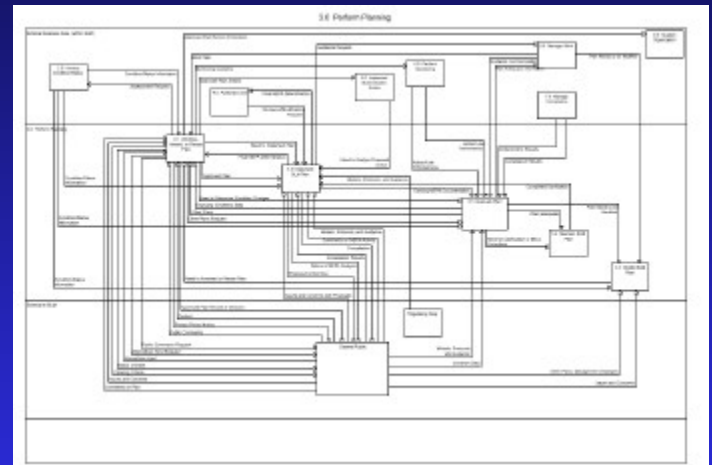
Sage Grouse ???



Improving the Utility of BLM Business Processes and Information

--Making Sustainable Resource Decisions; Replacing Out-dated Land Use Plans

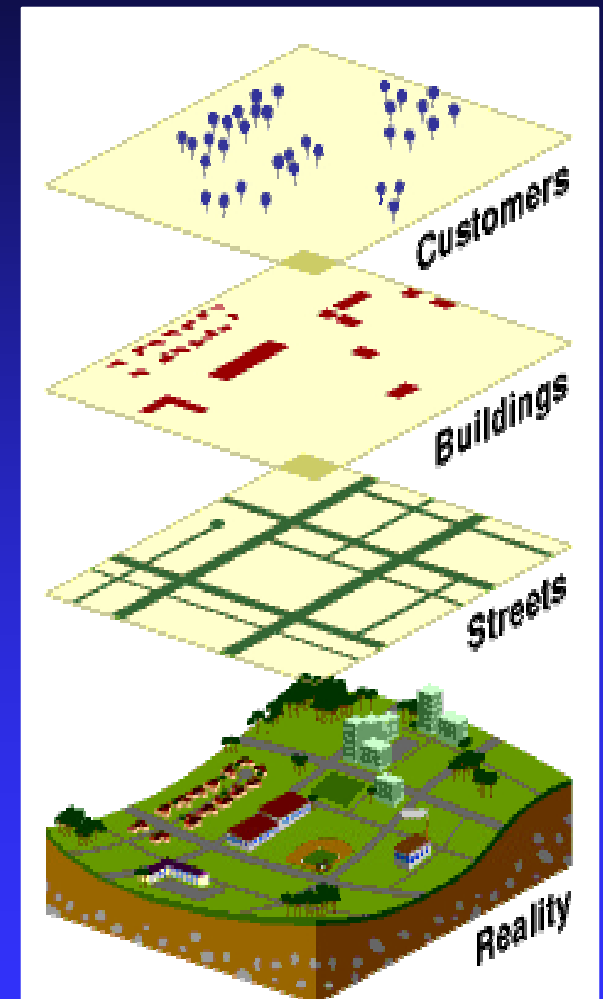
- Perform more detailed business process modeling and information flow diagramming for the planning processes, identify opportunities and best strategies for automating them.
- Establish a strategy to acquire mission critical geospatial data that are readily available from sources outside of the BLM.



Improving the Utility of BLM Business Processes & Information

--Making Sustainable Resource Decisions; Replacing Out-dated Land Use Plans

- Require that the architecture provide for universal access to the geospatial and tabular information relating to a location or issue.
- Develop a long-term strategy to transition static planning and assessment data into an “Enterprise IT/GIS” for implementation of the resulting plans.
- Determine the technologies that will most efficiently support the future vision for electronic planning, define stages and priorities, and reconcile with the BA.



--Establishing Accountability, Responsibility, and Authority

To establish the principle that management of highly valuable information assets of the BLM are an inherent part of every manager's and employee's "real" job in each "program" or function of the BLM.

The diagram illustrates the organizational structure and interactions within the ELT (Enterprise Leadership Team). The ELT is represented by a large gray oval at the top, containing the CIO, States, and DD, ADs. Below the ELT, the ITB (Information Technology Board) and Projects are shown. The ITC Office (Information Technology Center Office) is positioned below the ITB and Projects. The NIRMC (National Information Resource Management Council) is shown to the left of the ITC Office, and the BA Facilitation Staff (Business Analysis Facilitation Staff) is shown to the right. The relationships are as follows:

- ELT** (Enterprise Leadership Team) is the overarching body, containing the **CIO**, **States**, and **DD, ADs**.
- CIO** and **States** have a **Coordination** relationship.
- States** and **DD, ADs** have a **Coordination** relationship.
- States** and **DD, ADs** both have a **Mentorship** relationship with the **ITB**.
- ITB** and **Projects** have an **Approval** relationship.
- ITB** and **Projects** both provide **Technical Support** to the **ITC Office**.
- ITC Office** provides **Guidance** to the **NIRMC**.
- ITC Office** and **BA Facilitation Staff** have a **Coordination** relationship.
- DD, ADs** have a **Management Oversight** relationship with the **BA Facilitation Staff**.
- DD, ADs** provide **Business Oversight** and **Reports** to the **Projects**.
- CIO** has a **Management Oversight** relationship with the **NIRMC**.

Assuring and Storing High-Quality Program Information

– Structured Data Administration and Management

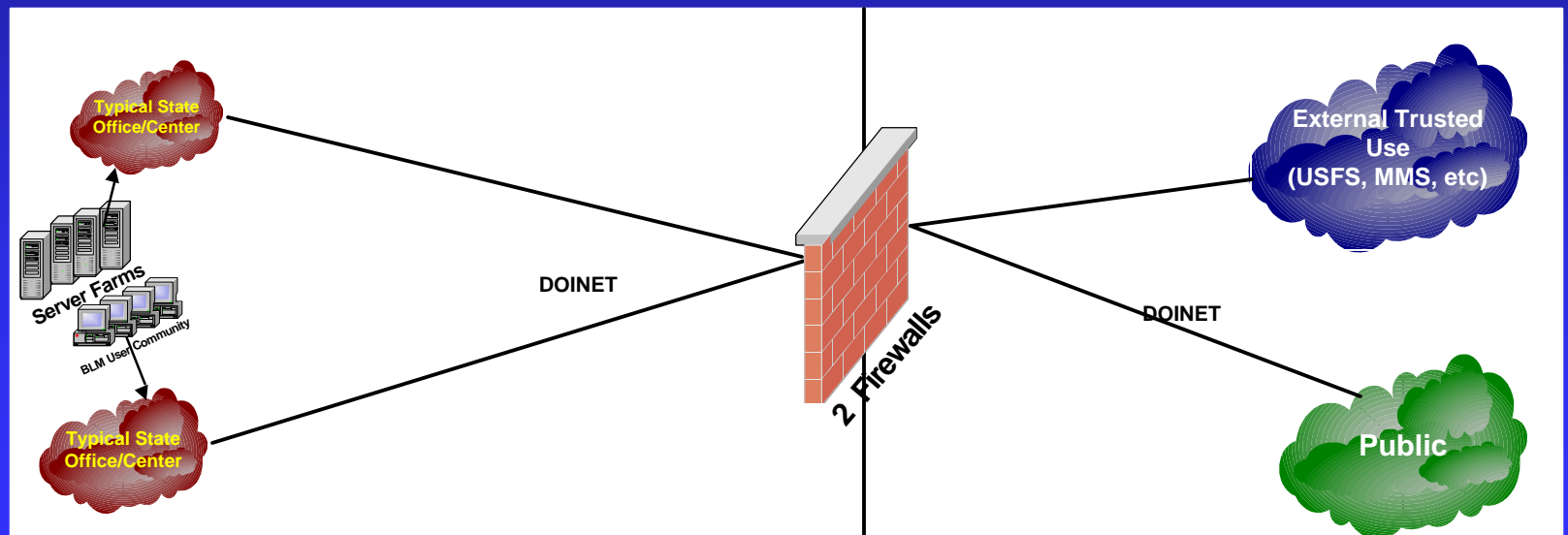
■ Objective:

To consistently apply accepted business data standards so that the value of the BLM's information assets are enhanced by improving their reliability, accuracy, utility, and capability for the widest possible use.



Providing the Solid Foundation on Which All Technology Work -- Infrastructure, Network and Security

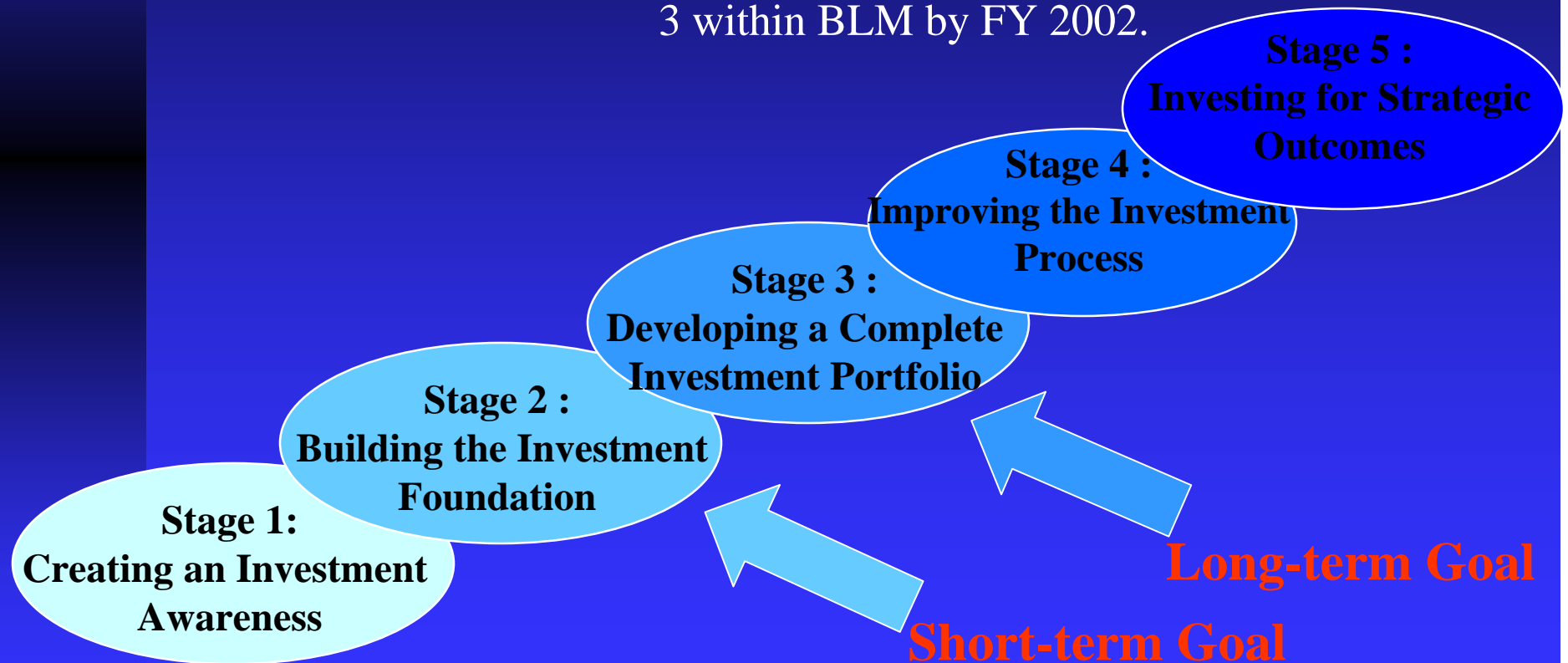
- **Objective:** To establish a cost effective, technical infrastructure environment which satisfies the potentially conflicting objectives of security versus accessibility for managing BLM information.



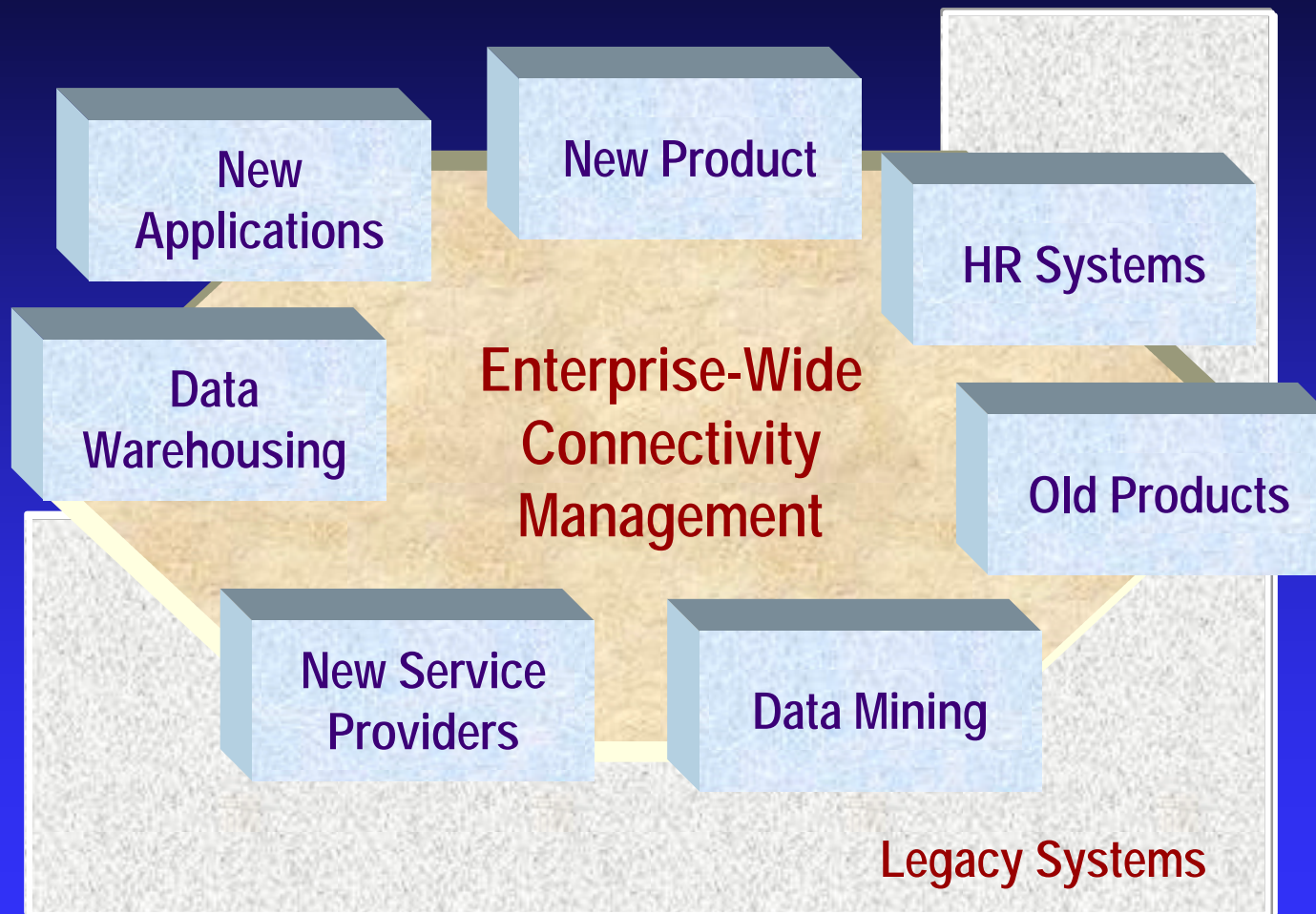
Getting the Return on Investment and Budget Dollars

– Management of Information Technology Investments

Objective: To achieve Capability and IT Management Maturity Stage 3 within BLM by FY 2002.



Managed Evolution: Permanent Co-Existence Between Old and New



Project Selection Criteria Relative to the Bureau Architecture

- Module Building Toward the Desired Future BA
- Attaining the Process-Based Orientation
- Enhance Operational Efficiency
- Preference for Use of Established BLM Technology

Recommendations:

- Executive commitment, leadership and involvement
 - ◆ Adopt the implementation strategies
 - ◆ Assign roles and responsibilities
 - ◆ Promote State-level ITIBs / IRM Steering Committees
- Recognize that business drives implementation / migration
 - ◆ Business sets the priorities and speed
 - ◆ Can't stop doing work
 - ◆ But, quality data used by many, is a valuable resource
- Follow the BA process, but encourage creativity
 - ◆ Really about communications / building relationships
 - ◆ Collective efforts take time, effort & commitment